

What is claimed is:

1. A radiation image forming unit comprising:

5 a stimuable phosphor sheet repeatedly usable for
recording the radiation image information of a subject based
on radiation applied thereto and erasing the recorded
radiation image information; and

10 a case for storing said stimuable phosphor sheet,
wherein a sheet member of a different material is
attached to said stimuable phosphor sheet.

15 2. A radiation image forming unit according to claim 1,
wherein said stimuable phosphor sheet has a recess, said
sheet member of the different material being detachably
mounted in said recess by a fastening member.

20 3. A radiation image forming unit according to claim 2,
wherein said stimuable phosphor sheet has a frame, said
recess being defined in a surface of said frame, said
stimuable phosphor sheet having a phosphor layer detachably
mounted in a recess defined in another surface of said
frame.

25 4. A radiation image forming unit comprising:

a stimuable phosphor sheet repeatedly usable for
recording the radiation image information of a subject based
on radiation applied thereto and erasing the recorded

radiation image information; and

a case for storing said stimulable phosphor sheet,
wherein a sheet member of a different material is
attached to said case.

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5. A radiation image forming unit according to claim 4,
wherein said sheet member is removably attached to a surface
of said case which is exposed to radiation applied to said
stimulable phosphor sheet.

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6. A radiation image forming unit according to claim 4,
wherein said case has a recess, said sheet member of the
different material being detachably mounted in said recess
by a fastening member.

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7. A radiation image forming unit according to claim 4,
wherein said case comprises:

a casing for storing said stimulable phosphor sheet;
and

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a light shield plate detachably mounted on said casing,
a lid being angularly movably mounted on a portion of said
light shield plate;

said sheet member of the different material being
detachably mounted on an inner surface of said light shield
plate.

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8. A radiation image forming unit according to claim 4,

wherein said case comprises:

a casing for storing said stimulable phosphor sheet;
and

a lid openably and closably mounted on said casing;
5 said sheet member of the different material being
detachably mounted on an inner surface of said lid.

9. A radiation image forming unit according to claim 4,
wherein said case comprises:

10 a tray for being stored in an opening defined in a side
of said case;

said tray having:

a cap for closing said opening;

said removable sheet member of the different
15 material; and

said stimulable phosphor sheet.

10. A radiation image forming cassette for storing a
stimulable phosphor sheet repeatedly usable for recording
20 the radiation image information of a subject based on
radiation applied thereto and erasing the recorded radiation
image information, said radiation image forming cassette
having a sheet member of a different material from the
radiation image forming cassette, said sheet member being
25 mounted on at least one surface of the radiation image
forming cassette.

11. A radiation image forming cassette according to claim 10, wherein said sheet member is removably attached to a surface of said cassette which is exposed to radiation applied to said stimulable phosphor sheet.

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12. A radiation image forming cassette according to claim 10, wherein said surface of the radiation image forming cassette has a recess, said sheet member of the different material being mounted in said recess.

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13. A radiation image forming cassette according to claim 10, wherein said sheet member of the different material is removably attached to the radiation image forming cassette.

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14. A radiation image forming cassette according to claim 10, wherein said radiation image forming cassette has a thickness which is at most 1/2 of a standard value according to ISO 4090.

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15. A radiation image forming cassette according to claim 14, wherein said cassette comprises a pair of cassettes stacked together, protrusions are formed on a frame of one of said pair of cassettes, and recesses are formed on a frame of the other of said pair of cassettes, respectively, and

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said protrusions are fitted in said recesses such that

said pair of cassettes are in alignment with each other.

16. A radiation image forming cassette according to claim 14, wherein a marking is provided on a radiation image recording area of said cassette for adjusting a position of a radiation image recorded in said radiation image recording area.